

ABSTRACT OF THE DISCLOSURE**WEIGHTED ERROR/ERASURE CORRECTION IN A MULTI-TRACK
STORAGE MEDIUM**

5 A method, computer program product, and data processing system for recovering corrupted data in a multi-track storage medium, such as magnetic tape, using a Reed-Solomon or other similar error correcting code system, is disclosed. A correction history keeping a
10 tally of actual corrected instances of corruption in the storage medium is established. The "N" tracks requiring the greatest number of actual error corrections are designated as erasures. Any errors in the remaining tracks must be found on an individual basis before being
15 corrected.